

Title (en)  
An air supply system

Title (de)  
Luftzuführungssystem

Title (fr)  
Système d'alimentation en air

Publication  
**EP 2881675 A1 20150610 (EN)**

Application  
**EP 13195439 A 20131203**

Priority  
EP 13195439 A 20131203

Abstract (en)  
An air supply system (200, 300) for providing a clean air flow (250) in a room (1) is provided. The air supply system (200, 300) comprises a first air supply section (120) through which a first flow of clean air is supplied with a lower temperature than the temperature of the ambient air in the room (1), and a second air supply section (230) through which a second flow of clean air is supplied. The first air supply section (120) is arranged to form a gravitationally induced downward flow, whereas the second air supply section (230) is arranged to adjust the velocity ( $v_1$ ) of the second flow of clean air when entering the second air supply section (230) to a predetermined velocity ( $v_2$ ), and is adapted to direct the second flow of clean air downwards. A method (600) for providing a clean air flow in a room is further provided.

IPC 8 full level  
**A61G 13/10** (2006.01); **F24F 3/16** (2006.01); **F24F 9/00** (2006.01); **F24F 13/08** (2006.01)

CPC (source: EP US)  
**A61G 13/108** (2013.01 - EP US); **F24F 3/163** (2021.01 - EP US); **F24F 9/00** (2013.01 - EP US); **F24F 11/30** (2017.12 - EP US); **F24F 11/74** (2017.12 - EP US); **F24F 11/79** (2017.12 - EP US); **F24F 13/082** (2013.01 - EP US); **F24F 8/108** (2021.01 - US); **F24F 2013/088** (2013.01 - EP US); **F24F 2110/10** (2017.12 - EP US); **F24F 2221/14** (2013.01 - US)

Citation (applicant)  
• WO 2008136740 A1 20081113 - AIRSONETT AB [SE], et al  
• WO 2005017419 A1 20050224 - AIRSON AB [SE], et al

Citation (search report)  
• [XYI] US 4009647 A 19770301 - HOWORTH FREDERICK HUGH  
• [X] US 5830058 A 19981103 - ROSJO KJELL [NO]  
• [YD] WO 2008136740 A1 20081113 - AIRSONETT AB [SE], et al  
• [A] GB 1555564 A 19791114 - HOWORTH AIR ENG LTD  
• [AD] WO 2005017419 A1 20050224 - AIRSON AB [SE], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
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DOCDB simple family (publication)  
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